

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: S. S. Babu et al

DOCKET NO : 1255.0

SERIAL NO.:

ART UNIT:

FILED:

EXAMINER:

TITLE: Improved Steel Surface Hardness using Laser Deposition and Active Gas Shielding

INFORMATION DISCLOSURE STATEMENT under 37 CFR 1.56 and 1.97

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

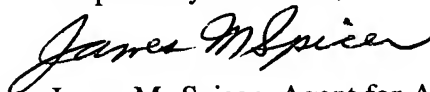
Submitted herewith on Form PTO-1449 is a listing of documents known to applicant in order to comply with applicant's duty of disclosure pursuant to 37 C.F.R. § 1.56. A copy of each document is being submitted herewith to comply with the provisions of 37 C.F.R. §§ 1.97 and 1.98.

Applicant presents these references that the Patent Office may determine any relevancy thereof to the presently claimed invention.

Applicant respectfully requests that the references be expressly considered during the prosecution of the subject application and made of record therein and appear among the "references cited" on any patent to issue therefrom.

Applicant also requests that an initialed copy of Form PTO-1449 be returned in accordance with MPEP Section 609.

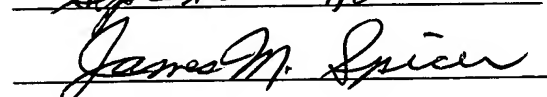
Respectfully submitted,



James M. Spicer, Agent for Applicants
Reg. No. 26,096
UT-Battelle, LLC
P.O. Box 2008 MS 6498
Oak Ridge, TN 37831
(865) 574-4180

Certificate of Mailing

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail in an envelope addressed to Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on

September 29, 2003


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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete if Known			
		Applicant Number			
		Filing Date			
		First Named Inventor	S. S. Babu		
		Art Unit			
Examiner Name					
Sheet	1	of	1	Attorney Docket Number	1255.0

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1	S. S. BABU et. al, "Toward Prediction of Microstructural Evolution during Laser Surface Alloying," Metallurgical and Materials Transactions A, Vol. 33A, pp. 1189-1200, (2002).	
	2	I. GARCIA et.al., "(Ti,Al)/(TiAl)N Coatings Produced by Laser Surface Alloying," Materials Letters, Vol. 53, pp. 44-51, (2002)	
	3	S. KOU, "Welding Metallurgy," John Wiley & Sons, New York, p. 64, (1987).	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.